

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Larry J. Buchanan, et al)
Serial No.: Unknown) Art Unit: Unknown
Filed: Concurrently Herewith) Examiner: Unknown
For: Method of Optimizing)
Production of Gas From)
Subterranean Formations)

INFORMATION DISCLOSURE STATEMENT

COMMISSIONER FOR PATENTS
Alexandria, VA 22313-1450

SIR:

The following documents are known to Applicants or Applicants' attorneys and are submitted for the Examiner to consider in the above-captioned application.

U. S. PATENTS

U.S. Patent Number 5,499,678 issued 03/19/96 to Jim B. Surjaatmadja, et al;

U.S. Patent Number 5,765,642 issued 06/16/98 to Jim B. Surjaatmadja;

U.S. Patent Number 6,280,000 issued 08/28/01 to Joseph A. Zupanick; and

U.S. Patent Number 6,604,580 issued 08/12/03 to Joseph A. Zupanick, et al.

OTHER MATERIAL

U.S. Serial No. _____, entitled "Methods for Geomechanical Fracture Modeling" by Mohamed Y. Soliman, et al.

Copies of the aforementioned references and Form PTO-1449 are submitted herewith.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Robert A. Kent". The signature is written in a cursive style with a large, looping initial "R".

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PTO-1449 Information Disclosure Citation in an Application	Application No.	Applicant(s) Larry J. Buchanan., et al	
	Docket Number HES 2003-IP-010346	Group Art Unit	Filing Date

U.S. PATENT DOCUMENTS

DOCUMENT NO.	ISSUE/PUB. DATE	NAME	CLASS	SUBCLASS	FILING DATE
5,499,678	03/19/96	Surjaatmadja <i>et al.</i>	166	298	08/02/1994
5,765,642	06/16/98	Surjaatmadja	166	297	12/23/1996
6,280,000 B1	08/28/01	Zupanick	299	12	11/20/1998
6,604,580 B2	08/12/03	Zupanick <i>et al.</i>	166	245	04/15/2002

FOREIGN PATENT DOCUMENTS

DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
					Yes	No

NON-PATENT DOCUMENTS

DOCUMENT (Including Author, Title, Source, and Pertinent Pages)
U.S. Serial No. _____, entitled "Methods for Geomechanical Fracture Modeling" by Mohamed Y. Soliman, et al.

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.